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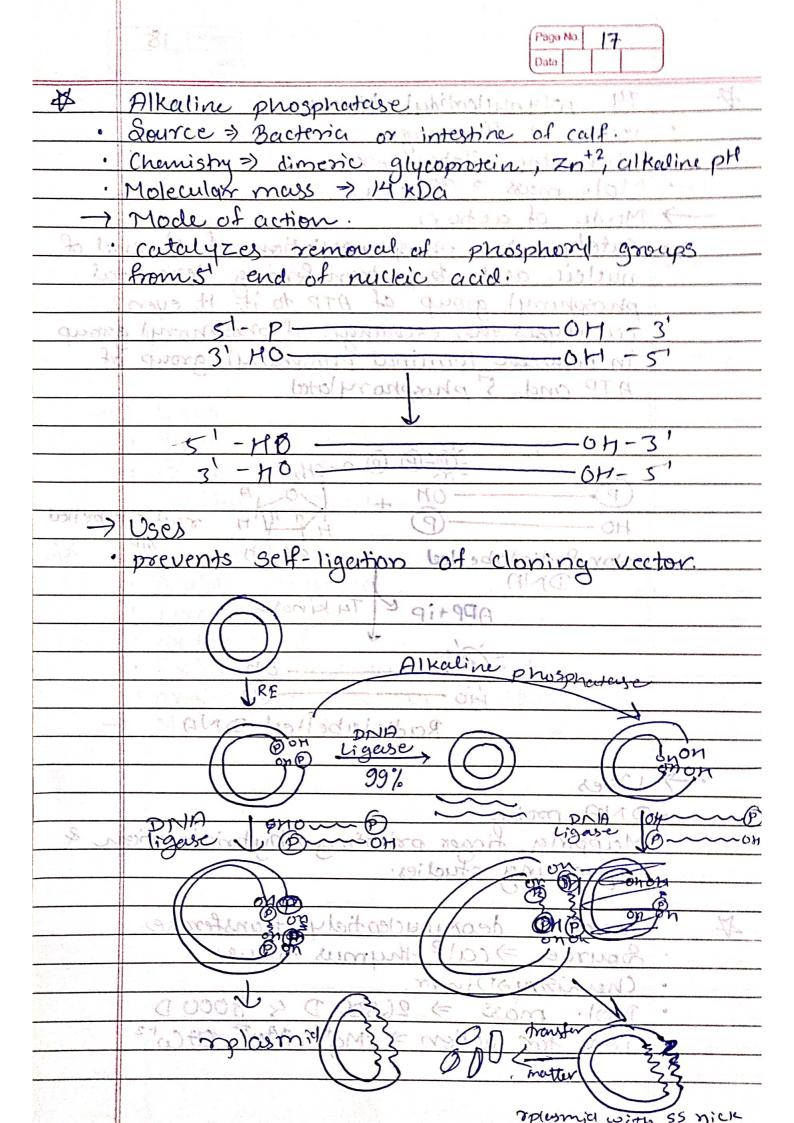
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**	DNA Polymeraseisa to obot 5
•	Principle enzymes of DNA replication In prokampoty > 5 different DNA pol.
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(PIMA	Prokemyotic DNA pol. cell activies PNA replication
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1	polymerization yes yes yes
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Stant 32 12	Structure Single Single Multimeric polypeptide polypeptide complex
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•	Dispoverer Spothur 0-0 Thomas Thomas
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	- Types of rose of Charles
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部13 8 13 * Eukopyotic DNA pol. Notopilana L Most essential evange 2 ei Rev-I Mode of action grangly inaxs * DNA pol I · more than 300-400 copies in anorganism · molecular mass is 109 kDars worth · single pp chains and 923 amino acids 51-34 exonuclease) months polymerization (31-) 51 exonucleuse) Klenow Fragment 68 Kg proof reading of DNA showl

	Page No. 14 6 Date
\rightarrow	Application log AME Vibrandia
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•	Single polypeptide chains
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₩	T7 DNA POLICIALITY S
•	Molecular mass > 96 KDa
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	High processing capacity. Sequences DNA strando
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Col	Thermostable DNA pol.
6.	Eman Marcase Theresand I have
Act is a	from Thermophilus aquaticus
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60 KY	51-73' polymonization activity 95 KDa mand No proof reading of DNA strand



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	how TNA dependents DNA pol. activity	
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	Pegs No. 18
	Dete
#	Ty polynucleotidy) kinase and milasia
	Source => The prage some 6 some
Ha salin	Chemistry => Tetramerania (white and)
	Mol. mass => 33 kDa = 2000 valuaged
\rightarrow	Mode of action maitre la shalf
200	catalyzes the phosphory lation of 5' end of
pr see -	nucleic acid by transferring terminal
	phosphory) aroup of ATP to it. It even
} '	cutalyses the exchange of phosphory) group
4	in between terminal phosphory) group of
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	T-HO- 1991
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	Uses 198
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Kg K.) where we was	Mapping, linger printing, hybridization &
	sequencing studies.
*	Terminal deoxynucleoticly transferage.
San Carlo	Source => calf thymus tissue
1881	Chemistry > Dimer,
	Mol. mass => 26500 D 4 8000 D
<u> </u>	ions for action > Mot2, Mot2, &+ Co+2
3	1 S O O CONTRAL

		Pege No. 19 Date
		21 1 10 -0600
		Mode of action
	•	catalyzes the addition of JNMPs from JNTPs to 3'-OH end of 55/ds DNA Often known as templete independent DNA
		from dNIPs to 5-OH end of softent DNA
	•	Often known as templete magerially
		polymerase
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		Uses
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×		Plasmid
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2.1	•	Double stranded Circular
FQ -		Superceiled
Min a		Extrachmental in nature
		explant in bacteria & veast
*		Supercoiled Extrachromosomal in nature present in bacteria & yeast. Notecular size:
		740100014. 3700
2:2***********************************		
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ers (attack)		